

## AB1

### Conductor

#### Description

AB1 is a low temperature firing silver conductor paste. AB1 was designed for use on glass. The rheology has been formulated for screen printing.

#### Key Features

- Low firing temperature Good solderability Low resistivity



*This picture does not show the packaging of AB1 and is solely intended for illustration purposes. The products are available in different packaging configurations and may change over time. Please refer to the latest safety data sheets for safety-relevant pictograms.*

#### Typical Properties

Conductivity	≤ 8 milliohms/square at 12 um fired film thickness
Viscosity	60 – 80 Kcps Brookfield HBTSC4 – 14 spindle, 6R utility cup at 10 rpm, 25°C
Solids	83.5 ± 1.0 %
Alloy Ratio	100
Coverage	100 cm <sup>2</sup> /g at 12 μm fired film thickness
Metal	Ag

#### Recommended Processing Guide

Printing Parameters	165 – 280 mesh stainless steel screen 0.5 mil emulsion
Drying Temperature	150 °C for 10 minutes
Process Temperature (TDS)	510 – 540 °C peak temperature Dwell time of 3 – 4 minutes
Film Thickness	Wet: 34 – 38 μm Dried: 22 – 26 μm Fired: 16 – 20 μm
Recommended Thinner	RV-238

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#### Warranty

6 months

#### Storage

Store in a dry condition at 5 – 25 °C

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